



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/723,126	11/25/2003	Donald R. Gilbreath	C02-085A	9442
26683	7590	06/07/2007	EXAMINER	
THE GATES CORPORATION			DUNWOODY, AARON M	
IP LAW DEPT. 10-A3			ART UNIT	PAPER NUMBER
1551 WEWATTA STREET				
DENVER, CO 80202			3679	
MAIL DATE	DELIVERY MODE			
06/07/2007	PAPER			

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/723,126	GILBREATH, DONALD R.
	Examiner Aaron M. Dunwoody	Art Unit 3679

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 19 March 2007.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-6 is/are pending in the application.  
 4a) Of the above claim(s) 6 is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-5 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application |
|  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Election/Restrictions***

Claim 6 is withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 3/19/2007.

Applicant's election with traverse of Group I in the reply filed on 3/19/2007 is acknowledged. The traversal is on the ground(s) that there is no serious burden on the Examiner to search and examine all of the claims; and applicant fails to understand how one might employ a materially different process, such as heated press-fitting. This is not found persuasive because of the following:

1) An examination is not limited simply to a search. In addition to the search, much of the examination is devoted to determining patentability of claims. Said determination requires the formulation of rejections and responding to applicant's arguments with regard to same. The additional search and the determination of patentability for multiple, patentability distinct species would place serious burden on the examiner.

2) Applicant should understand how one might employ a materially different process, such as heated press-fitting, instead of a staking operation

The requirement is still deemed proper and is therefore made FINAL.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over US patent 6318763, Huang in view of US patent 5709413, Salyers.

In regards to claims 1 and 2, Huang discloses an improved hydraulic fitting having a stem (10) including a hose insert portion, and a collar support portion, having a mating connection portion, and a collar having, a torque communication portion, a female support portion, and an inner periphery extending through the ferrule support portion and the torque communication portion, the improvement comprising:

the collar support portion including a *spline* and an axial stop ring (see Figure 4 below),

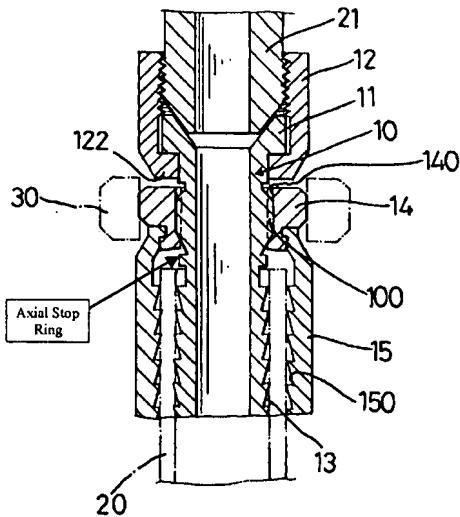


FIG. 4

the torque communication portion adapted to be staked in such a manner that the inner periphery extending through the torque communication portion communicates with the knurling in a relatively non-rotational manner, and

the ferrule support portion adapted to be staked in such a manner that the inner periphery extending through the ferrule support portion communicates with the axial stop ring in an axial movement limiting manner.

Huang does not disclose the collar support portion including knurling. Salyer teaches substituting splines (801) and knurling (724), "so that the tubing is effectively gripped" (col. 7, line 46-47). It would have been obvious to one having ordinary skill in the art at the time the invention was made to substitute splines with knurling, so that the tubing is effectively gripped, as taught by Salyer.

In regards to claim 3, Huang discloses a ferrule (14) affixed upon the ferrule support portion.

In regards to claim 4, Huang in view of Salyer discloses a hydraulic coupling and hose (20) comprising:

a hose end fitting including a stem having a hose insert portion, and a collar support portion,

the collar support portion including knurling and an axial stop ring,

a collar having, a torque communication portion, a female support portion, and an inner periphery extending through the ferrule support portion and the torque communication portion,

the torque communication portion being staked such that the inner periphery extending through the torque communication portion communicates with the knurling in a relatively non-rotational manner, the ferrule support portion being staked such that the inner periphery extending through the ferrule support portion communicates with the axial stop ring in an axial movement limiting manner, a mating connection portion, the hose fitted upon the hose end fitting,

an apparatus fitting (15), and

the apparatus fitting sealingly mated to the mating connection portion of the hose end fitting.

In regards to claim 5, Huang discloses a ferrule staked upon the ferrule support portion and the hose crimped under the female.

#### ***Response to Arguments***

Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron M. Dunwoody whose telephone number is 571-272-7080. The examiner can normally be reached on 7:30 am - 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on 571-272-7087. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Aaron M Dunwoody  
Primary Examiner  
Art Unit 3679

.amd